

REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-22 and 24-28 are presently pending in this case. Claims 1, 21, 22, and 24 are amended and new Claims 26-28 are added by the present amendment. As amended Claims 1, 21, 22, and 24 and new Claims 26-28 are supported by the original disclosure,¹ no new matter is added.

In the outstanding Official Action, Claims 1-22, 24, and 25 were rejected under 35 U.S.C. §103(a) as unpatentable over Okada et al. (U.S. Patent No. 6,922,521, hereinafter “Okada”) in view of Jung et al. (U.S. Patent Application Publication No. 20040076402, hereinafter “Jung”).

The outstanding rejection is respectfully traversed.

Amended Claim 1 recites in part:

generating means for generating said AV stream constituting one of a plurality of reproduction paths, each reproduction path including a plurality of AV segments on a timeline, every reproduction path on the recording medium including at least one AV segment not included in any other of the plurality of reproduction paths;

controlling means for controlling the generation of said AV stream by said generating means; and

recording means for recording to said recording medium said AV stream generated by said generating means, ***the recording means interleaving the plurality of AV segments in increments of a plurality of consecutive angle change units, the plurality of consecutive angle change units being a smallest increment in which angles can be changed;***

wherein said AV stream is constituted by data blocks making up predetermined units; and wherein said controlling means controls parameters for said AV stream generated by said generating means as well as a layout of said data blocks, in accordance with information indicative of reproducing characteristics in effect when said AV stream recorded on said recording medium is reproduced therefrom.

¹See, e.g., paragraphs 146, 147, and 156 of the publication of the specification and Figures 11 and 12.

As noted in paragraph 147 of the publication of the specification, the claimed invention can reduce the amount of management data by one third by interleaving AV stream data in increments of a plurality of consecutive angle change units equal to 3 and a (as shown Figure 12), as opposed to interleaving AV stream data in increments of a plurality of consecutive angle change units equal to 1 (as shown in Figure 11).

It is respectfully submitted that neither Okada nor Jung describes the above highlighted feature. With regard to Okada, Okada does not describe interleaving a plurality of AV segments having any angle changes from each other. With regard to Jung, this reference describes an information storage medium which controls a multi-angle data reproducing apparatus. In particular, Figure 13 of Jung shows that each clip AV stream is *not* interleaved, but instead each clip is sequentially recorded. Therefore, it is respectfully submitted that Jung does not teach or suggest *interleaving* the plurality of AV segments *in increments of a plurality of consecutive angle change units*, the plurality of consecutive angle change units being a smallest increment in which angles can be changed. Consequently, as the proposed combination does not teach or suggest “recording means” as defined in amended Claim 1, Claim 1 (and Claims 2-20 dependent therefrom) is patentable over Okada in view of Jung.

Amended Claims 21 and 22 recite in part “controlling the recording of said AV stream generated in said generating to said recording medium, the controlling including *interleaving the plurality of AV segments in increments of a plurality of consecutive angle change units, the plurality of consecutive angle change units being a smallest increment in which angles can be changed.*” However, as noted above, Okada in view of Jung does not teach or suggest this feature. In particular, Jung describes sequentially recording a plurality of clips, *not interleaving the clips*. Consequently, as the proposed combination does not

teach “controlling” as defined in amended Claims 21 and 22, Claims 21 and 22 are also patentable over Okada in view of Jung.

Amended Claim 24 recites in part “a recorder configured to record to said recording medium said AV stream generated by said AV stream generator, the recorder configured to *interleave the plurality of AV segments in increments of a plurality of consecutive angle change units, the plurality of consecutive angle change units being a smallest increment in which angles can be changed.*” As noted above, Okada in view of Jung does not teach or suggest this feature. In particular, Jung describes sequentially recording a plurality of clips, *not interleaving the clips*. Consequently, as the proposed combination does not teach or suggest “the recorder” as defined in amended Claim 24, amended Claim 24 (and Claim 25 dependent therefrom) is also patentable over Okada in view of Jung.

Finally, new Claims 26-28 are supported at least by paragraphs 146, 147, and 156 of the publication of the specification and Figures 11 and 12. As new Claims 26-28 are dependent from Claim 24, new Claims 26-28 are patentable for at least the reasons described above with respect to that claim. In addition, new Claims 26-28 recite subject matter that further patentably defines over the proposed combination. Accordingly, new Claims 26-28 are also allowable.

Accordingly, the pending claims are believed to be in condition for formal allowance. An early and favorable action to that effect is respectfully requested.

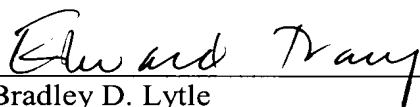
Respectfully submitted,

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